

### 4 CORE COPPER XLPE ARMoured POWER CABLES

Type	No. of Cores & cross sectional area mm <sup>2</sup>	Min. No. of wires	Thickness of XLPE Insulation (Nom) mm	Min. Thickness of PVC inner sheath mm	Nominal Dimensions of Armour		Min. Thickness of PVC Outer Sheath		Overall Diameter (Approx)		Approx. Net Wt. of Cable		Max. DC Resistance at 20°C Ohm/Km	Max. AC Resistance at 90°C Ohm/Km	Approx. Reactance at 50 Hz Ohm/Km	Approx. Capacitance mFd/Km	Current Ratings	
					Strip mm	Wire mm	Wire mm	Strip mm	Wire mm	Strip mm	Wire Kg/Km	Strip Kg/Km					Direct in Ground Amps	In Air Amps
2XWY/2XFY	4C X 16	6	0.70	0.3	4x0.8	1.60	1.40	1.40	22.8	21.2	1249	1026	1.15	1.47	0.080	0.36	92	79
2XWY/2XFY	4C X 25	6	0.90	0.3	4x0.8	1.60	1.40	1.40	23.8	22.2	1645	1406	0.727	0.930	0.080	0.20	119	108
2XWY/2XFY	4C X 35	6	0.90	0.3	4x0.8	1.60	1.40	1.40	26.0	24.4	2070	1816	0.524	0.671	0.080	0.23	144	132
2XWY/2XFY	4C X 50	6	1.00	0.3	4x0.8	1.60	1.56	1.56	29.5	27.9	2676	2375	0.387	0.495	0.078	0.24	174	162
2XWY/2XFY	4C X 70	12	1.10	0.4	4x0.8	2.00	1.56	1.56	34.1	31.7	3791	3259	0.268	0.343	0.077	0.26	210	198
2XWY/2XFY	4C X 95	15	1.10	0.4	4x0.8	2.00	1.72	1.56	37.9	35.2	4938	4308	0.193	0.247	0.074	0.29	252	240
2XWY/2XFY	4C X 120	18	1.20	0.5	4x0.8	2.00	1.88	1.72	41.9	39.1	6042	5362	0.153	0.196	0.072	0.29	288	276
2XWY/2XFY	4C X 150	18	1.40	0.5	4x0.8	2.50	2.04	1.88	46.3	42.6	7611	6517	0.124	0.159	0.072	0.29	324	318
2XWY/2XFY	4C X 185	30	1.60	0.5	4x0.8	2.50	2.20	2.04	51.5	47.8	9298	8079	0.0991	0.127	0.072	0.29	360	366
2XWY/2XFY	4C X 240	34	1.70	0.6	4x0.8	2.50	2.36	2.20	57.5	53.8	11794	10423	0.0754	0.0965	0.072	0.31	414	426
2XWY/2XFY	4C X 300	34	1.80	0.7	4x0.8	3.15	2.52	2.36	64.5	59.5	15019	12895	0.0601	0.0769	0.071	0.33	462	480
2XWY/2XFY	4C X 400	53	2.00	0.7	4x0.8	3.15	2.84	2.68	72.1	67.1	18752	16352	0.0470	0.0602	0.070	0.33	510	546

### 4 CORE COPPER XLPE UNARMoured POWER CABLES

Type	No. of cores & cross sectional area mm <sup>2</sup>	Min. No. of wires	Thickness of XLPE Insulation (Nom.) mm	Min. Thickness of PVC inner sheath mm	Nominal Thickness of PVC Outer Sheath mm	Overall Diameter (Approx) mm	Approx. Net Wt. of Cable Kg/Km	Max. DC Resistance at 20 <sup>o</sup> C Ohm/Km	Max. AC Resistance at 90 <sup>o</sup> C Ohm/Km	Approx. Reactance at 50 HZ Ohm/Km	Approx. Capacitance mFd/Km	CURRENT RATINGS	
												Direct in Ground Amps	In Air Amps
2XY	4C X 16	6	0.70	0.3	1.80	21.0	843	1.15	1.47	0.080	0.36	92	79
2XY	4C X 25	6	0.90	0.3	2.00	22.4	1232	0.727	0.930	0.080	0.20	119	108
2XY	4C X 35	6	0.90	0.3	2.00	24.6	1620	0.524	0.671	0.080	0.23	144	132
2XY	4C X 50	6	1.00	0.3	2.00	27.8	2125	0.387	0.495	0.078	0.24	174	162
2XY	4C X 70	12	1.10	0.4	2.20	32.0	3000	0.268	0.343	0.077	0.26	210	198
2XY	4C X 95	15	1.10	0.4	2.20	35.5	4013	0.193	0.247	0.074	0.29	252	240
2XY	4C X 120	18	1.20	0.5	2.40	39.5	5043	0.153	0.196	0.072	0.29	288	276
2XY	4C X 150	18	1.40	0.5	2.60	43.0	6176	0.124	0.159	0.072	0.29	324	318
2XY	4C X 185	30	1.60	0.5	2.80	48.3	7701	0.0991	0.127	0.072	0.29	360	366
2XY	4C X 240	34	1.70	0.6	3.00	54.6	10037	0.0754	0.0965	0.072	0.31	414	426
2XY	4C X 300	34	1.80	0.7	3.20	60.6	12513	0.0601	0.0769	0.071	0.33	462	480
2XY	4C X 400	53	2.00	0.7	3.60	68.3	15945	0.0470	0.0602	0.070	0.33	510	546